

Treatment Admissions for Primary Amphetamines in Kentucky: 2001-2007.

By Hoa Van Le

**Division of Administration and Financial Management (AFM)
Kentucky Department for Mental Health and Mental Retardation
Services (KDMHMRS)**

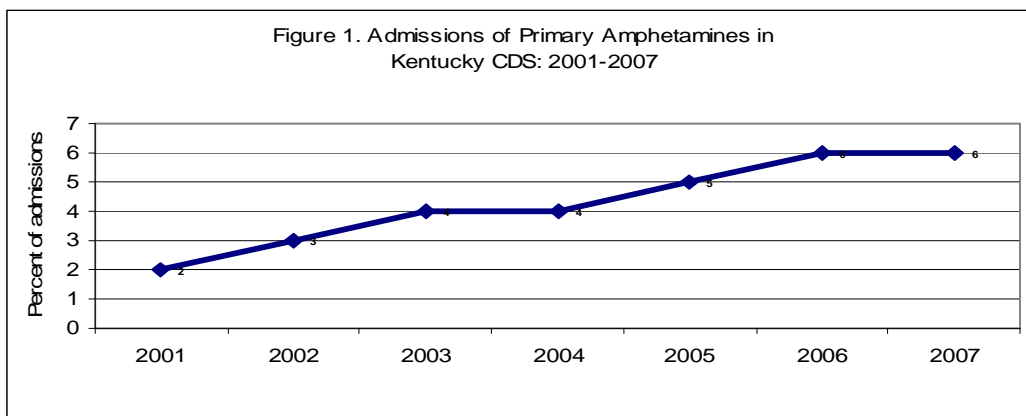
In Brief

- **Admissions for primary amphetamines (including methamphetamine) increased from 2% to 6% in 2007.**
- **Amphetamine admissions were more likely to be female than other substance admissions (38% vs. 26% in 2001; 49% vs. 35% in 2007).**
- **Clients aged 18 to 24 and 25 to 34 years old at time of admission made up a large proportion (over two-thirds) of amphetamine admissions from 2001 to 2007.**
- **The average age of amphetamine admissions was likely to be about 3 years younger than the average age of all other admissions (29.7 vs. 32.5 years old in 2001; 30.8 vs. 32.6 years old in 2007).**
- **Amphetamine admissions of the age group from 18 to 34 were likely to have more percentages of the first use of substance than admissions of all other substances of the same age group (62% vs. 31% in 2001 and 63% vs. 37% in 2007).**

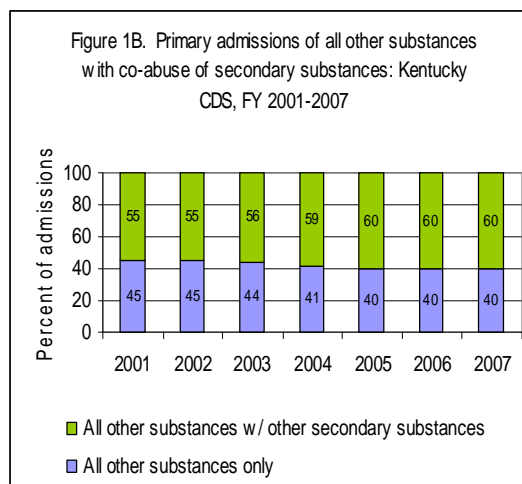
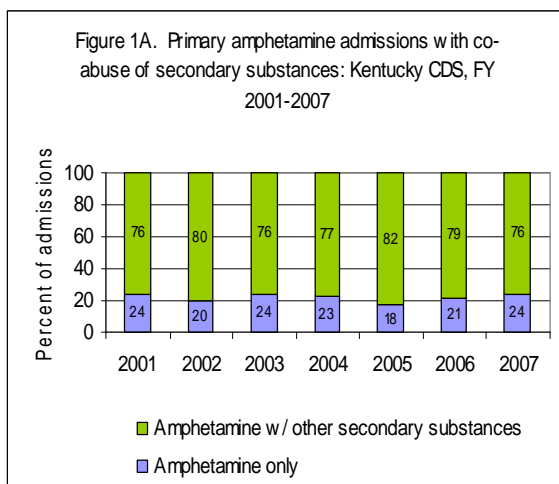
This report examines the differences of characteristics of treatment admissions of primary amphetamines (including methamphetamines) and those of treatment admissions of all other primary substances of abuse, based on data in Kentucky Client Data Set (CDS)¹, fiscal years from 2001 to 2007.

Primary Amphetamines²

Treatment admissions for primary amphetamines (including methamphetamines) had increased from 2% in 2001 to 6% in 2007 (Fig. 1A and Table 1 in Appendix).



Between 2001 and 2007, while the majority (over three-fourths) of primary amphetamine admissions reported to have had used a secondary substance³, about one-fourth of primary amphetamine users reported abusing no other secondary substances (Fig. 1.2A, 1.2B and Table 1B in Appendix).

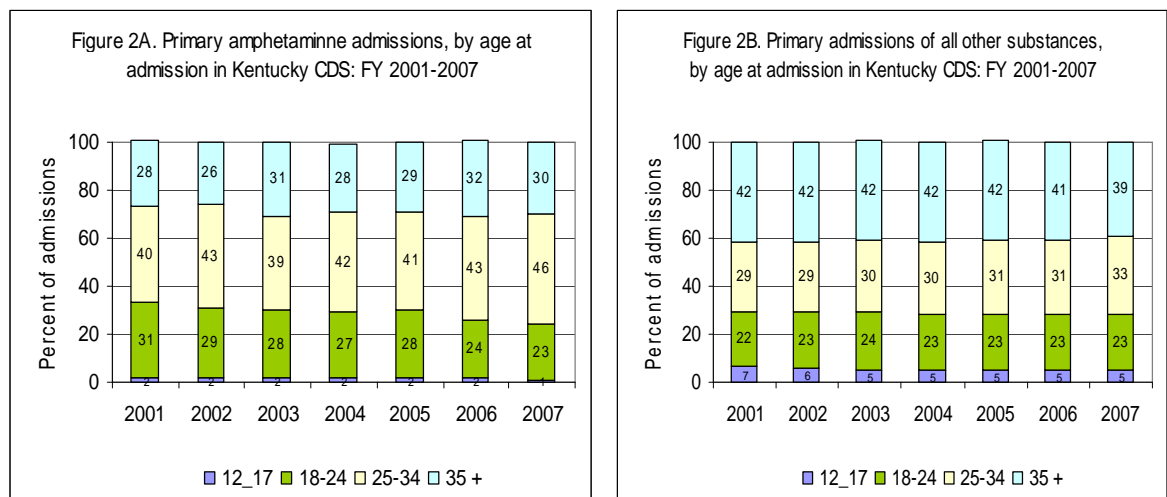


Between 2001 and 2007, among admissions with primary amphetamines, the most commonly co-abused substance was marijuana (50% and 46%), followed by alcohol (21% and 24%) and cocaine (16% and 12%). Among admissions with all other primary substances of abuse, the most commonly co-abused substance was marijuana (39% and 31%), followed by alcohol (27% and 21%) and cocaine (13% and 15%) (Table 1B in Appendix).

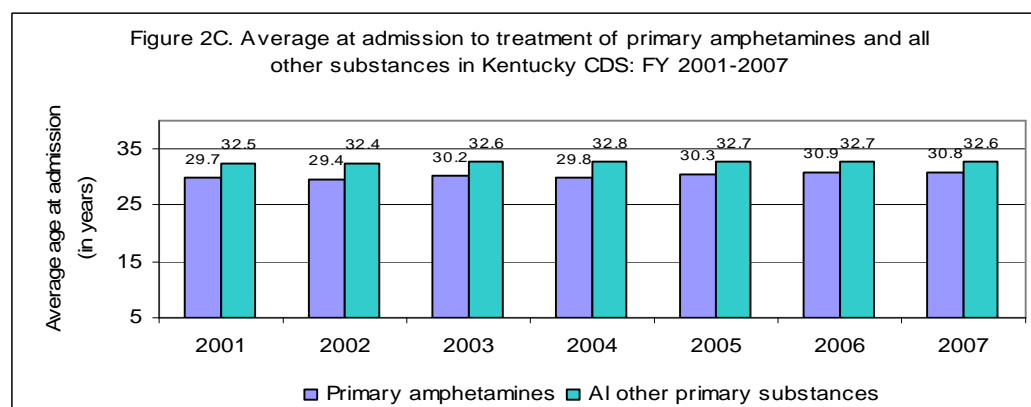
Demographic Characteristics

Primary amphetamine admissions were more likely to be female than all other admissions (38% vs. 26% in 2001; 49% vs. 35% in 2007) (Table 2 in Appendix).

Amphetamine admissions were more likely to be Whites than all other admissions (98% vs. 86% in 2001; 99% vs. 89% in 2007); and correspondingly, they were less likely to be Blacks (1% vs. 13% in 2001; 1% vs. 10% in 2007) and such admissions were not different for Hispanics and other ethnicity groups (equally 1% in 2001 and 2007) (Table 3 in Appendix). Age groups from 18 to 34 at time of admission for amphetamines admissions were likely to be larger than all other admissions (71% vs. 52% in 2001; 69% vs. 56% in 2007) (Figures 2A, 2B and Table 4 in Appendix).



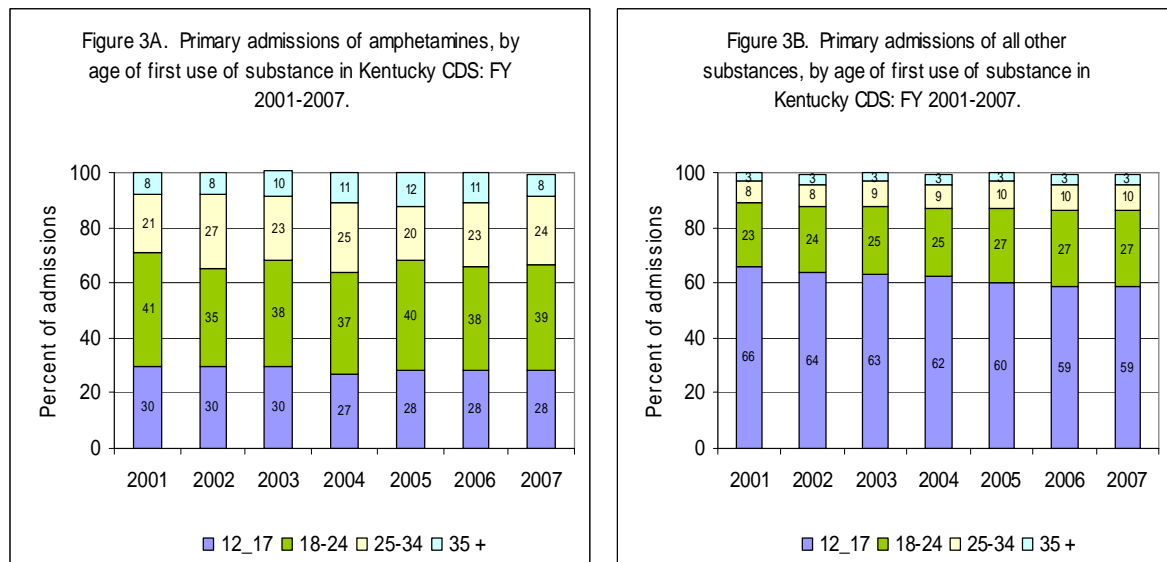
The average age of amphetamine admissions for treatment was highly likely to be about 3 years younger than the average age of all other admissions for treatment (29.7 vs. 32.5 years old in 2001; 30.8 vs. 32.6 years old in 2007) (Fig. 4C and Table 4 in Appendix).



Usage of Substances

About one-third (30% and 28%) of primary amphetamine admissions had the first use of the substance prior to the age 18 compared with a majority

of admissions for all other substances (30% vs. 66% in 2001; 28% vs. 59% in 2007), whereas over a half of primary amphetamine admissions had the first use of substance between age 18 to 34 compared with one-third of admissions for all other substances (62% vs. 31% in 2001 and 63% vs. 37% in 2007) (Fig. 3A, 3B and Table 8 in Appendix).



Amphetamine admissions were less likely to report to have daily use of the substance (23% vs. 24% in 2002; 17% vs. 22% in 2007) and more likely to report not to use substances in the past month (52% vs. 37% in 2001; 66% vs. 43% in 2007) than all other admissions (Table 6 in Appendix).

Prior treatment Episodes

Amphetamine admissions were more likely to report to have first time treatments (55% vs. 52% in 2001 and 61% vs. 58% in 2007) and less likely to have an intensive history of five or more previous treatments (2% vs. 4% in 2001 and 2% vs. 3% in 2007) than all other admissions (Table 8 in Appendix).

Notes:

This report is based on data selected from the Kentucky Client Data Set (CDS) from 2001-2007, collected from 14 Community Mental Health Centers in Kentucky and maintained by the University of Kentucky's Research and Data Management Center (UK-RDMC).

²The Primary methamphetamine/amphetamines of abuse are the main substances reported at the time of admission. All other substances of abuse include alcohol, marijuana, opiates, cocaine/crack, other stimulants, and other drugs.

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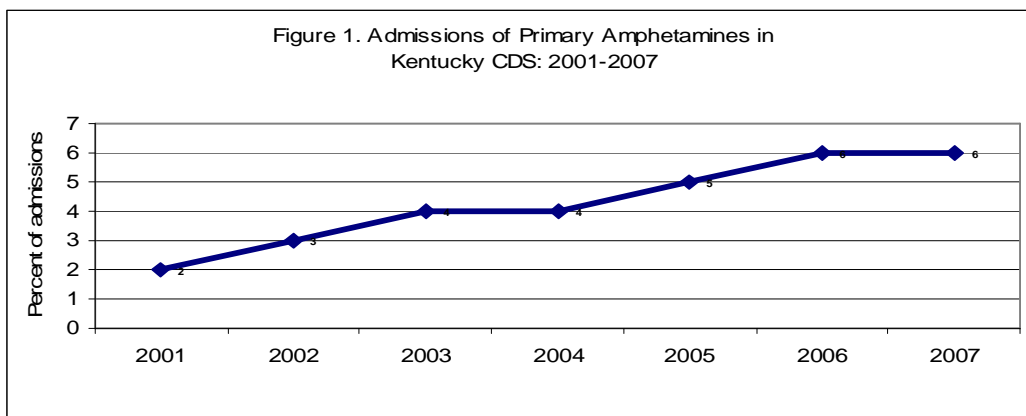
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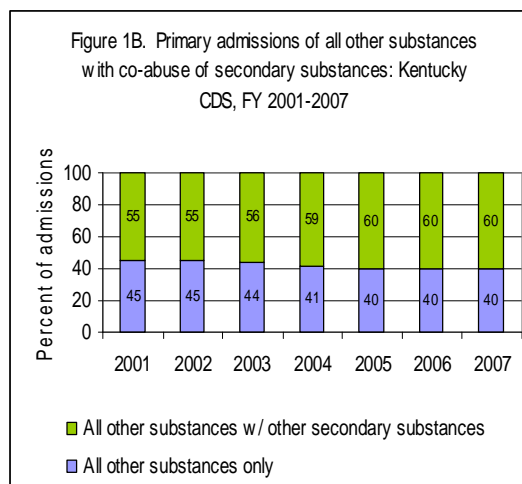
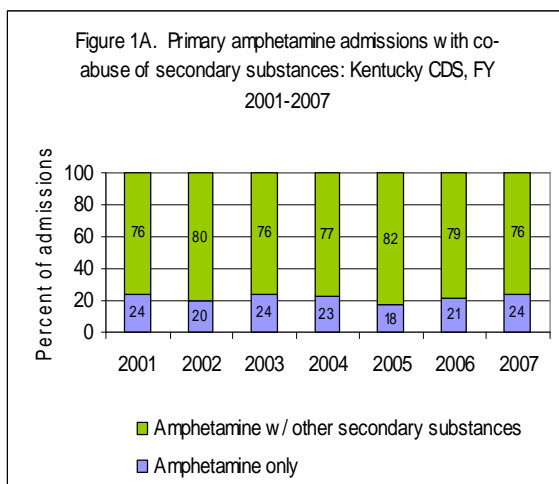
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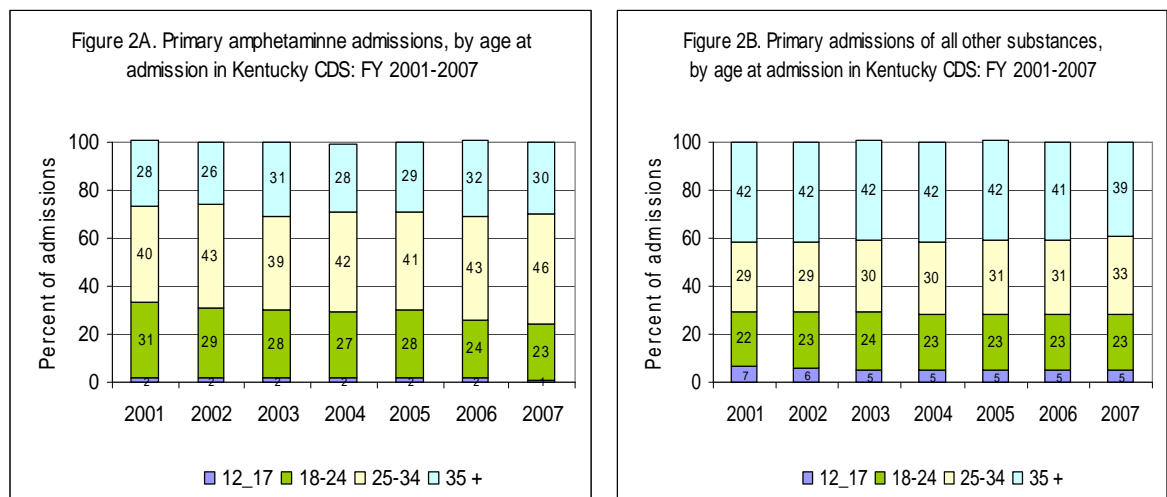


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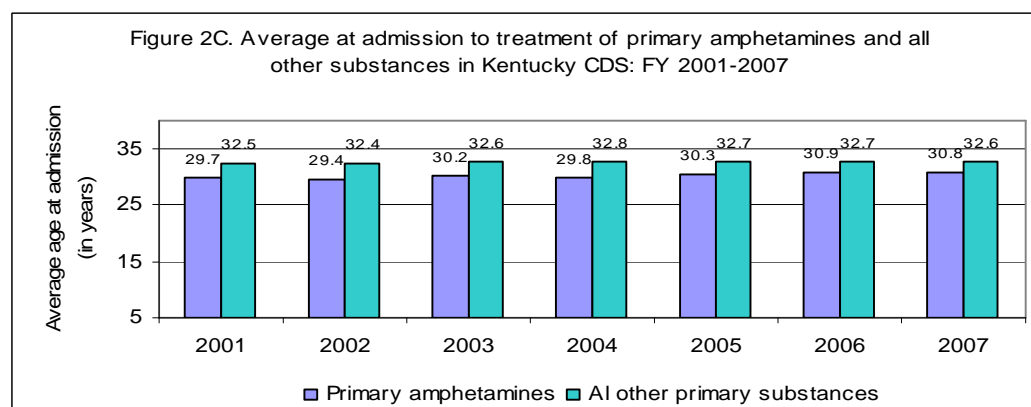
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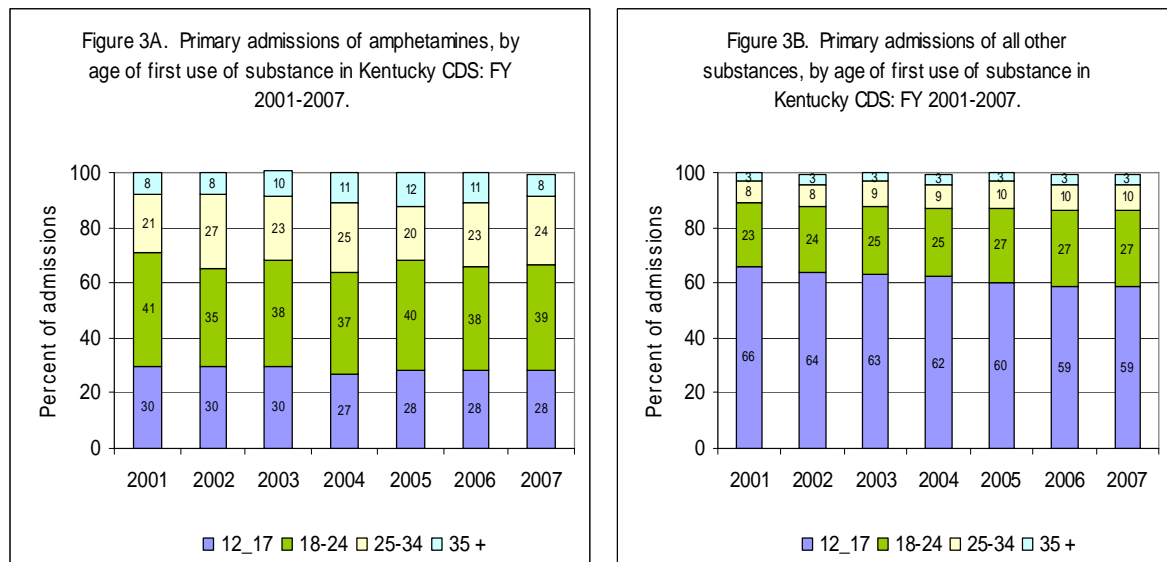
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Admissions of primary substances of abuse in Kentucky CDS, FY 2001-2007*.
Number and percent distribution.

Admissions of primary substances of abuse**	Fiscal Year						
	2001	2002	2003	2004	2005	2006	2007
TOTAL ADMISSIONS	17,648	18,023	18,491	18,784	17,507	18,375	15,813
ALCOHOL	57.2	53.9	50.3	48.2	45.0	42.6	42.1
OPIATES	7.9	9.2	10.5	11.8	12.3	13.6	16.3
COCAINE	10.4	9.8	11.8	12.9	14.1	14.1	11.9
MARIJUANA	18.9	20.2	20.0	19.0	19.7	20.0	19.2
AMPHETAMINES	2.0	2.7	3.6	4.4	5.2	5.9	5.7
ALL OTHER DRUGS	3.6	4.1	3.8	3.7	3.7	3.8	4.8

*SOURCE: from Kentucky Client Data Set, Fiscal years 2001-2007.

**Total admissions did not include none/unknown substances of abuse.

Admissions of primary amphetamines (including methamphetamine) and all other substances of abuse with co-abuse of a secondary substance in Kentucky: CDS, FY 2001-2007*. Percent distribution.

Admissions for amphetamines and all other substances**	Fiscal Year						
	2001	2002	2003	2004	2005	2006	2007
AMPHETAMINE ADMISSIONS	2.0	2.7	3.6	4.4	5.2	5.9	5.7
ALL OTHER ADMISSIONS	98.0	97.3	96.4	95.6	94.8	94.1	94.3
Amphetamine only	24.0	19.7	23.5	23.3	17.5	20.6	24.0
Amphetamines with an a secondary substance	76.0	80.3	76.5	76.7	82.5	79.4	76.0
Alcohol	21.3	22.7	23.4	28.1	24.2	23.9	24.0
Opiates	4.8	7.1	6.7	6.9	6.6	7.6	8.8
Cocaine	16.2	15.2	16.2	11.9	12.4	13.2	12.2
Marijuana	50.0	48.2	44.0	44.0	49.0	47.1	46.3
Other drugs	7.7	6.3	8.9	7.7	6.9	7.5	7.6
All other substances of abuse only	45.0	44.7	43.6	40.9	39.7	39.7	40.5
All other substances w/ a secondary substance	55.0	55.3	56.4	59.1	60.3	60.3	59.5
Alcohol	27.4	26.3	26.6	25.1	24.4	24.1	21.2
Opiates	8.2	9.7	10.1	11.0	11.7	12.8	14.5
Cocaine	13.2	12.6	13.3	14.0	14.5	14.9	14.7
Marijuana	38.6	37.3	35.5	35.1	33.8	31.6	31.0
Amphetamines	2.4	2.9	3.3	3.4	4.2	4.8	5.1
Other drugs	10.2	11.2	11.3	11.4	11.4	11.9	13.6

*SOURCE: from Kentucky Client Data Set, Fiscal years 2001-2007.

**Total admissions did not include none/unknown substances of abuse.

Admissions of primary amphetamines (including methamphetamines) and all other substances of abuse, by gender in Kentucky: CDS, FY 2001-2007*.
Number and percent distribution.

Admissions of amphetamines and all other substances**	Gender		
	Male	Female	Total
2001			
Amphetamines	62.3	37.7	358
All other substances	73.9	26.1	17,287
2002			
Amphetamines	61.1	38.9	493
All other substances	72.2	27.8	17,530
2003			
Amphetamines	58.9	41.1	660
All other substances	70.7	29.3	17,828
2004			
Amphetamines	58.5	41.5	831
All other substances	69.3	30.7	17,952
2005			
Amphetamines	55.8	44.2	913
All other substances	68.1	31.9	16,524
2006			
Amphetamines	53.2	46.8	1,090
All other substances	66.6	33.4	17,257
2007			
Amphetamines	51.2	48.8	895
All other substances	65.5	34.5	14,918

*Sources: Data computed from Client Data Set, fiscal years 2001-2007.

**Total admissions did not include unknown gender.

Admissions of primary amphetamines (including methamphetamines) and all other substances of abuse, by race/ethnicity in Kentucky: CDS, FY 2001-2007*. Number and percent distribution.

Admissions of amphetamines and all other substances**	Race/ethnicity			
	White	Black	Other	Total
2001				
Amphetamines	97.5	1.4	1.1	359
All Other Substances	85.5	13.0	1.6	17,196
2002				
Amphetamines	98.2	0.4	1.4	496
All Other Substances	86.2	11.8	1.9	17,534
2003				
Amphetamines	99.1	0.3	0.6	662
All Other Substances	85.2	12.7	2.1	17,924
2004				
Amphetamines	98.3	0.7	1.0	832
All Other Substances	84.8	13.3	1.8	17,934
2005				
Amphetamines	98.1	0.7	1.2	911
All Other Substances	84.4	13.9	1.7	16,526
2006				
Amphetamines	98.5	0.6	0.9	1,075
All Other Substances	86.1	12.6	1.3	17,078
2007				
Amphetamines	98.5	0.7	0.8	880
All Other Substances	89.0	9.7	1.3	14,366

*Sources: from Client Data Set, fiscal years 2001-2007.

**Total admissions did not include unknown race/ethnicity.

Other race/ethnicity included Hispanics and other.

Admissions of primary amphetamines and all other substances of abuse, by age at admission in Kentucky CDS: FY 2001-2007*. Number and percent and average age (in years) at admission.

Admissions of amphetamines and all other substances**	Age at admission				Avg. age
	12- 17	18- 24	25- 34	35 +	
2001					
Amphetamines	1. 7	30. 5	40. 1	27. 7	29. 7
All other substances	6. 7	21. 9	29. 2	42. 2	32. 5
2002					
Amphetamines	2. 5	28. 7	43. 1	25. 7	29. 4
All other substances	6. 3	23. 1	29. 2	41. 5	32. 4
2003					
Amphetamines	1. 7	28. 4	39. 3	30. 5	30. 2
All other substances	5. 0	23. 4	29. 9	41. 7	32. 6
2004					
Amphetamines	2. 3	27. 1	42. 3	28. 2	29. 8
All other substances	4. 7	23. 0	30. 3	41. 9	32. 8
2005					
Amphetamines	2. 0	27. 6	41. 4	29. 1	30. 3
All other substances	5. 4	22. 6	30. 6	41. 5	32. 7
2006					
Amphetamines	1. 7	23. 7	42. 7	31. 9	30. 9
All other substances	5. 4	22. 7	31. 3	40. 6	32. 7
2007					
Amphetamines	1. 4	22. 8	46. 0	29. 9	30. 8
All other substances	5. 1	22. 9	32. 9	39. 1	32. 6

*Sources: Data computed from Client Data Set, fiscal years 2001-2007.

**Total admissions did not include unknown/invalid age.

Admissions of primary amphetamines and all other substances of abuse, by number of prior treatment episodes in Kentucky CDS: FY 2001-2007*. Number and percent.

Admissions of amphetamines and all other substances**	Prior treatment episodes			
	None	1-4 times	5+ times	Total
2001				
Amphetamines	54.5	43.7	1.8	334
All other substances	52.0	44.2	3.8	16,028
2002				
Amphetamines	58.7	38.5	2.8	465
All other substances	54.8	41.6	3.6	16,651
2003				
Amphetamines	67.1	30.4	2.5	648
All other substances	57.1	38.8	4.2	17,612
2004				
Amphetamines	62.4	33.9	3.8	824
All other substances	58.3	37.5	4.1	17,888
2005				
Amphetamines	60.2	35.3	4.4	908
All other substances	58.6	36.9	4.5	16,505
2006				
Amphetamines	60.1	37.8	2.0	1,089
All other substances	59.4	36.5	4.1	17,215
2007				
Amphetamines	61.1	36.1	2.8	894
All other substances	58.2	38.3	3.4	14,882

*Sources: Data computed from Client Data Set, fiscal years 2001-2007.

** Total admissions did not include unknown number of prior treatment episodes.

Admissions of primary amphetamines and all other substances
other substances of abuse, by frequency of primary use in Kentucky
CDS: FY 2001-2007*. Number and percent distribution.

Admissions of amphetamines and all other substances**	Frequency of primary use				Daily use
	No use in past month	1-3 in past month	1-2 in past week	3-6 in past week	
2001					
Amphetamines	52.3	7.2	2.9	6.4	31.2
All other substances	37.0	18.0	10.8	8.8	25.4
2002					
Amphetamines	57.9	10.7	2.5	5.6	23.3
All other substances	39.5	17.7	10.3	8.2	24.3
2003					
Amphetamines	48.8	16.2	4.6	7.8	22.7
All other substances	39.0	19.6	9.5	8.2	23.7
2004					
Amphetamines	50.0	12.6	5.4	8.3	23.8
All other substances	37.4	17.9	10.5	9.8	24.6
2005					
Amphetamines	56.4	12.0	4.9	7.3	19.4
All other substances	38.1	18.4	10.0	9.9	23.5
2006					
Amphetamines	60.3	9.6	4.4	5.8	19.8
All other substances	41.1	18.0	9.7	8.3	22.9
2007					
Amphetamines	66.0	7.3	4.5	5.3	16.9
All other substances	43.2	17.5	9.0	8.5	21.8

*Sources: Data computed from Client Data Set, fiscal years 2001-2007.

**Total admissions did not include unknown frequency of use.

Admissions of primary amphetamines and all other substances of abuse, by age of first use in Kentucky CDS: FY 2001-2007*. Number and percent and average age of first use.

Primary admissions of amphetamines and all other substances**	Age Group of First Use				Avg. age
	< 18	18-24	25-34	35+	
2001					
Amphetamines	29.6	41.1	20.7	8.6	22.1
All other substances	65.9	23.1	7.8	3.3	17.3
2002					
Amphetamines	30.3	35.0	26.5	8.2	22.9
All other substances	64.4	24.2	8.0	3.4	17.4
2003					
Amphetamines	29.9	37.8	22.6	9.7	22.6
All other substances	62.9	24.8	8.7	3.6	17.7
2004					
Amphetamines	27.3	37.3	24.4	11.0	23.0
All other substances	61.5	25.4	9.3	3.9	17.9
2005					
Amphetamines	28.1	39.7	19.7	12.4	22.9
All other substances	60.0	26.5	9.5	4.0	18.0
2006					
Amphetamines	27.5	37.8	23.2	11.4	23.1
All other substances	58.7	27.0	9.9	4.3	18.2
2007					
Amphetamines	28.1	39.0	24.1	8.9	22.5
All other substances	58.6	27.4	9.6	4.3	18.3

*Sources: Data computed from Client Data Set, fiscal years 2001-2007.

**Total admissions did not include unknown/invalid age of first use.

Age groups of first use are based on age at admission.

Admissions of primary amphetamines and all other substances of abuse, by primary referral sources in Kentucky CDS: FY 2001-2007*. Number and percent.

Admissions of amphetamines and all other substances**	Primary referral source			
	Self/ indi- vidual	Crimi- nal jus- tice	SA/ hlth care ctrs	All others
2001				
Amphetamines	31.7	53.5	5.4	9.3
All other substances	24.5	54.2	9.3	12.0
2002				
Amphetamines	30.7	53.5	10.1	5.8
All other substances	24.4	56.1	8.6	11.0
2003				
Amphetamines	25.6	55.7	8.7	10.0
All other substances	22.3	59.4	8.2	10.1
2004				
Amphetamines	24.3	53.9	10.7	11.2
All other substances	25.5	53.1	9.2	12.2
2005				
Amphetamines	23.9	53.3	10.0	12.8
All other substances	26.1	50.4	9.8	13.7
2006				
Amphetamines	25.8	53.5	6.5	14.1
All other substances	27.0	49.5	9.2	14.2
2007				
Amphetamines	22.5	59.3	4.5	13.7
All other substances	26.6	50.4	8.2	14.7

*Sources: Data computed from Client Data Set, fiscal years 2001-2007.

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